

**Water Quality Assessment for Games 1A, 1B
December 1999**

Salinity assessment (TDS, chloride, bromide)

- Consideration of agricultural drainage and operation of the Delta Cross Channel in addition to effects related to Delta outflow, export operations, and Delta inflow.
- Salinity impacts that occur in Game 1A and Game 1B during the fall period are caused by closure of the cross channel and outflow reductions.
- Salinity impacts probably over estimated
- Change to export load

Near-term water quality improvement actions

- Real-time operation of the Delta Cross Channel to balance fish and water quality needs (occurring now with the Spring-run Protection Plan)
- Increase to Delta outflow
 - Water purchases, increase upstream releases

Organic carbon

- Pump shift from winter to summer-fall tends to reduce export load by about 5%
- Reduction to quarterly averages is higher
- Contributions from in-Delta storage operation not included
- Tradeoff with salinity